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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7

Complete if Known

Application Number 09/504,239
Filing Date February 15, 2000
First Named Inventor Davis et al.
Group Art Unit 2623
Examiner Name J. Patel
Attorney Docket Number 60114

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Class	Subclass
		Number				
JKP	1	3569619	Simjian	Mar., 1971	235	380
	2	4230990	Lert, Jr. et al.	Oct., 1980	725	22
	3	4238849	Gassmann	Dec., 1980	348	467
	4	4367488	Leventer et al.	Jan., 1983	370	204
	5	4380027	Leventer et al.	Apr., 1983	348	467
	6	4425642	Moses et al.	Jan., 1984	370	477
	7	4739377	Allen	Apr., 1988	355	133
	8	4750173	Bluthgen	Jun., 1988	370	528
	9	4807031	Broughton et al.	Feb., 1989	348	460
	10	4879747	Leighton et al.	Nov., 1989	713	186
	11	4888798	Earnest	Dec., 1989	705	54
	12	4908873	Philibert et al.	Mar., 1990	382	100
	13	4944036	Hyatt	Jul., 1990	367	43
	14	4947028	Gorog	Aug., 1990	235	380
	15	4972476	Nathans	Nov., 1990	713	186
	16	4977594	Shear	Dec., 1990	705	53
	17	5023907	Johnson	Jun., 1991	710	200
	18	5027401	Soltesz	Jun., 1991	380	54
	19	5053956	Donald	Oct., 1991	713	60
	20	5095196	Miyata	Mar., 1992	235	382
	21	5103459	Gilhousen et al.	Apr. 1992	370	206
	22	5113445	Wang	May, 1992	380	51
	23	5146457	Veldhuis et al.	Sep., 1992	370	523
	24	5181786	Hujink	Jan., 1993	400	61
	25	5200822	Bronfin et al.	Apr., 1993	725	22
	26	5213337	Sherman	May, 1993	463	40
	27	5259025	Monroe	Nov., 1993	705	75
	28	5280537	Sugiyama et al.	Jan., 1994	370	529
	29	5288976	Citron	Feb., 1994	235	375
	30	5295203	Krause et al.	Mar., 1994	382	248
	31	5315098	Tow	May., 1994	235	494
	32	5379345	Greenberg	Jan., 1995	455	2.01
	33	5428607	Hiller et al.	Jun., 1995	370	352
	34	5428731	Powers	Jun., 1995	707	561.1
✓	35	5463209	Figh	Oct., 1995	235	383

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		Number				
JCP	36	5469506	Berson et al.	Nov., 1995	713	186
	37	5493677	Bfalogh	Feb. 1996	707	104.1
	38	5495581	Tsai	Feb. 1996	707	526
	39	5496071	Walsh	Mar., 1996	283	70
	40	5530852	Meske, Jr. et al.	Jun., 1996	709	206
	41	5594226	Steger	Jan., 1997	235	379
	42	5613004	Cooperman et al.	Mar. 1997	386	281
	43	5638443	Stefik	Jun., 1997	705	54
	44	5640193	Wellner	Jun. 1997	725	100
	45	5646999	Saito	Jul., 1997	705	54
	46	5659164	Schmid	Aug., 1997	235	375
	47	5665951	Newman et al.	Sep., 1997	235	375
	48	5668636	Beach et al.	Sep., 1997	358	296
	49	5671282	Wolff et al.	Sep., 1997	713	179
	50	5673316	Auerbach et al.	Sep. 1997	705	51
	51	5687236	Moskowitz et al.	Nov., 1997	386	28
	52	5721788	Powell et al.	Feb., 1998	382	100
	53	5740244	Indeck et al.	Apr., 1998	713	176
	54	5742845	Wagner	Apr., 1998	395	821
	55	5761686	Bloomberg	Jun., 1998	707	529
	56	5768426	Rhoads	Jun., 1998	382	232
	57	5778102	Sandford, II et al.	Jul., 1998	382	251
	58	5804803	Cragun et al.	Sep., 1998	235	375
	59	5809317	Kogan et al.	Sep., 1998	707	501.1
	60	5818441	Throckmorton et al.	Oct., 1998	345	717
	61	5825871	Mark	Oct., 1998	379	352.03
	62	5825892	Braudaway et al.	Oct., 1998	386	51
	63	5838458	Tsai	Nov., 1998	358	402
	64	5841978	Rhoads	Nov., 1998	709	217
	65	5848144	Ahrens	Dec., 1998	379	219
	66	5848413	Wolff	Dec., 1998	707	101
	67	5852673	Young	Dec., 1998	382	164
	68	5857038	Owada et al.	Jan., 1999	382	284
	69	5869819	Knowles et al.	Feb., 1999	235	375
	70	5872589	Morales	Feb., 1999	725	24

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Sheet **3** of **7**

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First Named Inventor	Davis et al.
Group Art Unit	2623
Examiner Name	J. Patel
Attorney Docket Number	60114

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Class	Subclass
		Number				
JEP	71	5875249	Mintzer et al.	Feb., 1999	380	54
	72	5900608	Iida	May, 1999	235	381
	73	5902353	Reber et al.	May, 1999	709	219
	74	5903729	Reber et al.	May, 1999	709	219
	75	5905248	Russell et al.	May, 1999	235	462.15
	76	5905251	Knowles	May, 1999	235	472.01
	77	5913210	Call	Jun., 1999	707	4
	78	5915027	Cox et al.	Jun., 1999	380	54
	79	5930767	Reber et al.	Jul., 1999	705	26
	80	5932863	Rathus et al.	Aug., 1999	235	462.15
	81	5933829	Durst et al.	Aug., 1999	707	10
	82	5938726	Reber et al.	Aug., 1999	709	217
	83	5938727	Ikeda	Aug., 1999	709	218
	84	5939695	Nelson	Aug., 1999	235	383
	85	5940595	Reber et al.	Aug., 1999	709	227
	86	5950173	Perkowski	Sep., 1999	705	26
	87	5963916	Kaplan	Oct., 1999	705	26
	88	5971277	Cragun et al.	Oct., 1999	235	462.01
	89	5974141	Saito	Oct., 1999	705	52
	90	5978773	Hudetz et al.	Nov., 1999	705	23
	91	5979757	Tracy et al.	Nov., 1999	235	383
	92	5983218	Syeda-Mahmoo	Nov., 1999	707	3
	93	6005501	Wolosewicz	Dec., 1999	341	52
	94	6035177	Moses et al.	Mar., 2000	725	22
	95	6052486	Knowlton et al.	Apr., 2000	382	232
	96	6122403	Rhoads	Sep., 2000	382	233
	97	6266430	Rhoads et al.	Jul., 2001	382	100
	98	6311214	Rhoads	Oct., 2001	709	217
	99	6324574	Rhoads	Sep., 2000	709	218

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JEP	1	60/000442	Hudetz	6/20/95	—	—
	2	60/082228	Rhoads	4/16/98	—	—
	3	60/141763	Davis	6/30/99	—	—
	4	60/158015	Davis et al.	10/6/99	—	—
	5	09/314648	Rodriguez et al.	5/19/99	382	100

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Sheet 4 of 7

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Application Number	09/504,239
Filing Date	February 15, 2000
First Named Inventor	Davis et al.
Group Art Unit	2623
Examiner Name	J. Patel
Attorney Docket Number	60114

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Class	Subclass
		Number				
JCP	6	09/342688	Rodriguez et al.	6/29/99	382	100
PATENT APPLICATION DOCUMENTS						
JCP	7	09/342971	Rodriguez et al.	6/29/99	705	14
	8	09/679261	Davis et al.	10/4/00	345	163
	9	09/562517	Davis et al.	5/1/00	725	110
	10	09/547664	Rhoads et al.	4/12/00	709	245
	11	09/571442	Rhoads et al.	5/15/00	250	20.3
	12	09/858189	Rhoads et al.	5/14/01	713	189
	13	09/631409	Brundage et al.	8/3/00	705	40
	14	09/452021	Davis et al.	11/30/99	235	494
	15	09/629401	Seder et al.	8/1/00	382	100
	16	09/473396	Evans et al.	12/28/99	382	100
	17	09/563664	Levy et al.	5/2/00	382	100
	18	09/670115	Rhoads et al.	9/26/00	382	100

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Sheet 5 of 7

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Application Number	09/504,239
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First Named Inventor	Davis et al.
Group Art Unit	2623
Examiner Name	J. Patel
Attorney Docket Number	60114

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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴					
JCP	1	CA	2235002		Dec., 1998	—	—	
	2	EP	493 091		Jul., 1992	—	—	
	3	EP	872995		Oct., 1998	—	—	
	4	WO	WO94/27228		Nov., 1994	—	—	
	5	WO	WO95/10813		Apr., 1995	—	—	
	6	WO	WO98/14887		Apr., 1998	—	—	
	7	WO	WO98/20642		May, 1998	—	—	
	8	WO	WO98/24050		Jun., 1998	—	—	
	9	WO	WO98/40823		Sep., 1998	—	—	
	10	WO	WO98/49813		Nov., 1998	—	—	
	11	WO	WO99/34277		Jul., 1999	—	—	

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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Jkp	1	Brassil et al., "Electronic Marking and Identification Techniques to Discourage Document Copying, Proceedings of INFOCOM '94 Conference on Computer, IEEE Commun. Soc Conference, Jun. 12-16, 1994, 1278-1287	
	2	Bruckstein, A.M.; Richardson, T.J., A holographic transform domain image watermarking method, Circuits, Systems, and Signal Processing vol.17, no.3 p. 361-89, 1998. This paper includes an appendix containing an internal memo of Bell Labs, which according to the authors of the paper, was dated September 1994.	
	3	"High Water FBI Limited Presentation Image Copyright Protection Software," FBI Ltd brochure, Jul., 1995, 17 pages.	
	4	Koch et al., "Copyright Protection for Multimedia Data," Fraunhofer Institute for Computer Graphics, Dec. 16, 1994, 15 pages.	
	5	Koch et al., "Towards Robust and Hidden Image Copyright Labeling," Proc. of 1995 IEEE Workshop on Nonlinear Signal and Image Processing, Jun. 20-22, 1995, 4 pages.	
	6	Kurak et al., "A Cautionary Note On Image Downgrading," 1992 IEEE, pp. 153-159.	
	7	Mintzer et al., "Safeguarding Digital library Contents and Users" Digital Watermarking," D-Lib Magazine, December 1997: ISSN 1082-9873	
	8	Rindfrey, "Towards an Equitable System for Access Control and Copyright Protection in Broadcast Image Services: The Equicrypt Approach," Intellectual Property Rights and New Technologies, Proc. of the Conference, R. Oldenbourg Verlag Wien Munchen 1995, 12 pages.	
	9	Schreiber et al., "A Compatible High-Definition Television System Using the Noise-Margin Method of Hiding Enhancement Information," SMPTE Journal, Dec. 1989, pp. 873-879.	
	10	SDMI Example Use Scenarios (Non-Exhaustive), Version 1.2, June 16, 1999	
	11	Szepanski, "A Signal Theoretic Method for Creating Forgery-Proof Documents for Automatic Verification," Proceedings 1979 Carnahan Conference on Crime Countermeasures, May 16, 1979, pp. 101-109	
	12	Szepanski, "Additive Binary Data Transmission for Video Signals," Papers Presented at Conf. Of Comm. Engineering Soc. Sept. 30 - Oct. 3, 1980, Technical Reports Vol. 74, pp. 342-352.	
	13	Tanaka et al., "A Visual Retrieval System with Private Information for Image Database," Proceeding International Conference on DSP Applications and Technology, Oct. 1991, pp. 415-421.	
	14	Tanaka et al., "New Integrated Coding Schemes for Computer-Aided Facsimile," Proc. IEEE Int'l Conf. on Sys. Integration, Apr. 1990, pp. 275-281.	

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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Jup	15	Tirkel et al, "Electronic Water Mark," DICTA-93, Macquarie University, Sydney, Australia, Dec., 1993, pp. 666-673.	
↓	16	Weber et al., "Correlative Image Registration," Seminars in Nuclear Medicine, vol XXIV, No. 4, Oct., 1994, pp. 311-323.	

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